Spring 2005

CS 240: Introduction to Computer Science I

L. Jane Lin

Wright State University - Main Campus

CS 240 – Introduction to Computer Science I (Spring 2005)

150 Russ Engineering Center, Tuesdays and Thursdays 10:25-11:40am

Instructor: Dr. L. Jane Lin, 160 Russ Engineering Center
(off the study area inside 158 Russ Engineering Center)

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Web site: http://www.wright.edu/~jane.lin

Office Hours: 11:40am-12:20pm; 1:35-2:00 pm TR RC160 or make an appointment by sending an e-mail

Textbook: *Big C++* by C. Horstmann and T. Budd, Wiley, 2005.

Disks: at least two formatted 3.5" High Density Diskettes

Software: Microsoft Visual C++ 6.0 Compiler, (available in the library)

Course Description:

This course is the first in the three course sequence "Introduction to Computer Science" offered by the Computer Science department at WSU. This course presents a general introduction to C++ programming language. It introduces the fundamental capabilities of C++ language as a problem solving tool. Topics include data representation, debugging and program verification. **Note:** ***For all CS 24X students, concurrent registration into CS 24X lab is a must.***

Prerequisites: MTH 130 & MTH 131; or MTH 134 (co-requisite) or equivalent.

Grading Policy: Final grades will be computed as follows.

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4 Programming Assignments -------- 32%
8 Lab Exercises------------------- 20%
2 Examinations-------------------- 28%
1 Final Examination--------------- 20%
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Grading Scale: The final grade is assigned as follows.

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90-100------------------------------ A
80-below 90 ------------------------ B
70-below 80 ------------------------ C
60-below 70 ------------------------ D
Below 60---------------------------- F
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General Class Policy

It is strongly advised that students attend all lectures and lab sessions. In the event of absence, **a student is responsible for material covered in lecture/lab, and making up all missed work in the timeliest manner.** There is a **lab section** for this course and labs are handled by lab teachers who will guide and check eight laboratory assignments. **Students are required to complete at least two projects and four lab assignments to receive a non-X grade.** Programming projects are due at the beginning of the class on the date they are due. No late submissions are accepted. Always submit your work since partial credit is available. Examinations will be given on the dates specified on the class schedule. If a student misses a test, that test has 0 score automatically.

CS 240 Course Schedule (Spring 2005)

Date	Class Topics and quiz/exam dates	Reading Assignments
3-29	Introduction	1
3-31	Number Systems Data Types, Variables, I/O	App. F 2.1 -2.4
4-5 4-7	Arithmetic and String Expressions; Objects Flow of Control;	2.5 - 2.6; 3 4.1 - 4.4
4-12 4-14 4-15	Flow of Control continues Functions Last day to drop without a Grade: Friday, April 15	4.5 - 4.7 5.1 – 5.6
4-19	Review	
4-21	Examination 1 (Covers App. F, Chapters 1-5.6)	

4-26 4-28	Software Design (Pass by Reference; scopes; stepwise refinement)	5.7 – 5.13
5-3 5-5	Classes	6
5-10 5-12 5-13	Adv. Flow of Control Testing and Debugging Last day to drop with W Grade: Friday, May 13	7 8
5-17	Review for exam 2	
5-19	**Examination 2 (Covers 5.7 - 8)**	
5-24 5-26	1-dimensional vectors / arrays	9.1 – 9.5.3
5-31 6-2	Multiple-dimensional Arrays	9.5.4
6-9	**Final Exam (10:45am-12:45pm)**	

Note: The instructor reserves the right to make changes to the tentative class schedule.